Linker Nhe I GAT CCA GCA GCT GGG CTC GAG GTG CTA GCG GGA GGG GGT GGA TGT GGG G G C P A A G L E V L A G G hu IgG1 Factor Xa ATC GAA GGT CGC AAG CTT ACT CAC ACA TGC CCA CCG TGC CCA GCA CCT I E G R K L T H T C P P GAA GCC GAG GGG GCA CCG TCA GTC TTC CTC TTC CCC CCA AAA CCC AAG G A P S V F L E A E GAC ACC CTC ATG ATC TCC CGG ACC CCT GAG GTC ACA TGC GTG GTG 145 S R T P E D T L M I GAC GTG AGC CAC GAA GAC CCT GAG GTC AAG TTC AAC TGG TAC GTG 193 D P E V K н E D V S GGC GTG GAG GTG CAT AAT GCC AAG ACA AAG CCG CGG GAG GAG CAG G V E V H N A K T K P AAC AGC ACG TAC CGT GTG GTC AGC GTC CTC ACC GTC CTG CAC CAG GAC 289 V S V L T R V Y N S T TGG CTG AAT GGC AAG GAG TAC AAG TGC AAG GTC TCC AAC AAA GCC CTC 337 G K E Y K C K CCA GCC TCC ATC GAG AAA ACC ATC TCC AAA GCC AAA GGG CAG CCC CGA 385 E K T I K GAA CCA CAG GTG TAC ACC CTG CCC CCA TCC CGG GAT GAG CTG ACC AAG 433 R D E s Ρ V Y \mathbf{T} L AAC CAG GTC AGC CTG ACC TGC CTG GTC AAA GGC TTC TAT CCC AGC GAC 481 С L T L ATC GCC GTG GAG TGG GAG AGC AAT GGG CAG CCG GAG AAC AAC TAC AAG 529 G Q P E W N E S ACC ACG CCT CCC GTG TTG GAC TCC GAC GGC TCC TTC TTC CTC TAC AGC s G D S Ď AAG CTC ACC GTG GAC AAG AGC AGG TGG CAG CAG GGG AAC GTC TTC TCA 625 Q G T V D K S R W Q TGC TCC GTG ATG CAT GAG GCT CTG CAC AAC CAC TAC ACG CAG AAG AGC V M H E A L H N H Y T Q K S 673 CTC TCC CTG TCT CCG GGT AAA TGA C G K S P

FIG. 1A

k \

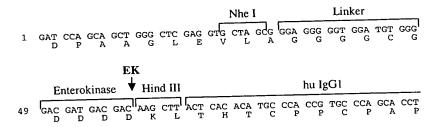


FIG. 1B

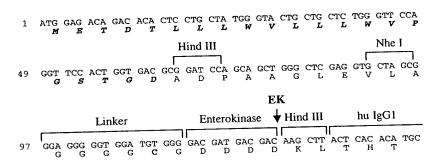


FIG. 1C

- 52 GTC CCT GAA CTG CTG GGC TCC AGC ATG CCA CTG TGT CCC ATC GAT GAA GCC V P E L L G S S M P L C P I D E A
- 103 ATC GAC AAG AAG ATC AAA CAA GAC TTC AAC TCC CTG TTT CCA AAT GCA ATA I D K K I K Q D F N S L F P N A I
- 154 AAG AAC ATT GGC TTA AAT TGC TGG ACA GTC TCC TCC AGA GGG AAG TTG GCC K N I G L N C W T V S S R G K L A
- 205 TCC TGC CCA GAA GGC ACA GCA GTC TTG AGC TGC TCC TGT GGC TCT GCC TGT S C P E G T A V L S C S C G S A C
- 256 GGC TCG TGG GAC ATT CGT GAA GAA AAA GTG TGT CAC TGC CAG TGT GCA AGG G S W D I R E E K V C H C Q C A R
- 307 ATA GAC TGG ACA GCA GCC CGC TGC TGT AAG CTG CAG GTC GCT TCC TCT CTA

 I D W T A A R C C K L Q V A S S L
- 358 GCG GGA GGG GGT GGA TGT GGG ATC GAA GGT CGC AAG CTT ACT A G G G G G G G G T E G R K L T

FIG. 2A

- 52 GTC CCT GAA CTG CTG GGC TCC AGC ATG CCA CTG TGT CCC ATC GAT GAA GCC V P E L L G S S M P L C P I D E λ
- 103 ATC GAC AAG AAG ATC AAA CAA GAC TTC AAC TCC CTG TTT CCA AAT GCA ATA I D K K I K Q D F N S L F P N A I
- 154 AAG AAC ATT GGC TTA AAT TGC TGG ACA GTC TCC TCC AGA GGG AAG TTG GCC K N I G L N C W T V S S R G K L λ
- 205 TCC TGC CCA GAA GGC ACA GCA GTC TTG AGC TGC TCC TGT GGC TCT GCC TGT S C P E G T A V L S C S C G S A C
- 256 GGC TCG TGG GAC ATT CGT GAA GAA AAA GTG TGT CAC TGC CAG TGT GCA AGG G S W D I R E E K V C H C Q C A R
- 307 ATA GAC TOG ACA GCA GCC CGC TGC TGT AAG CTG CAG GTC GCT TCC TCT CTA I D W T A A R C C K L Q V A S S L
- 358 GCG GGA GGG GGT GGA TGT GGG GAC GAT GAC GAC AAG CTT ACT
 A G G G G C G D D D D K L T

FIG. 2B

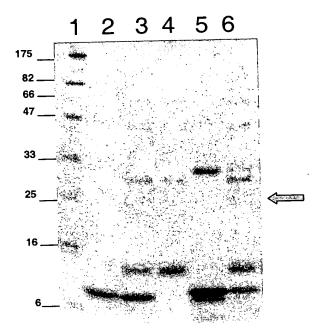
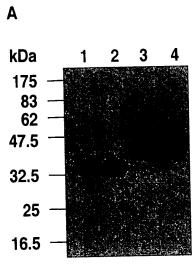
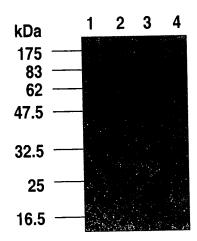


FIG. 2C





В

FIG. 3A

FIG. 3B

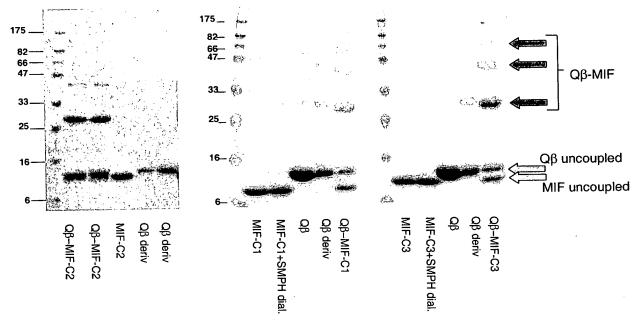


FIG. 4A

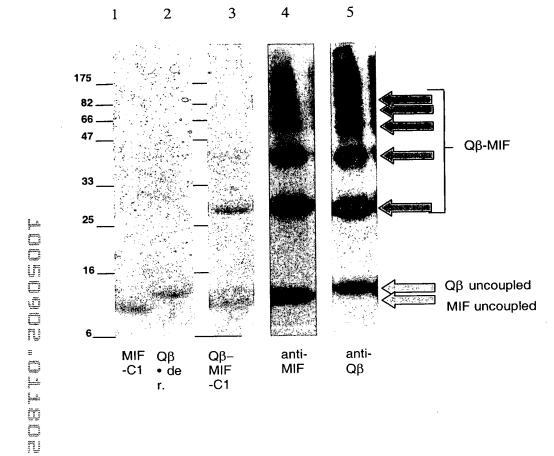


FIG. 4B

. . .

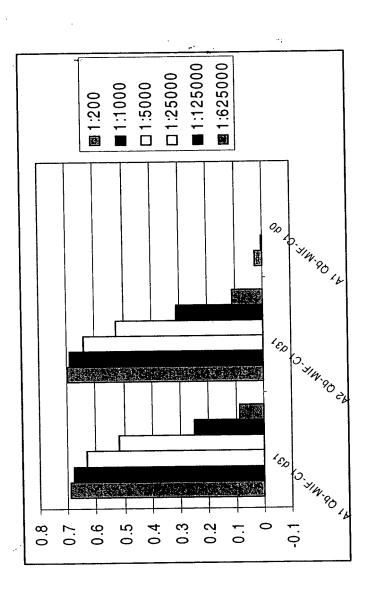


FIG. 4C

2 3 4 5 6 7 8 9

FIG. 5

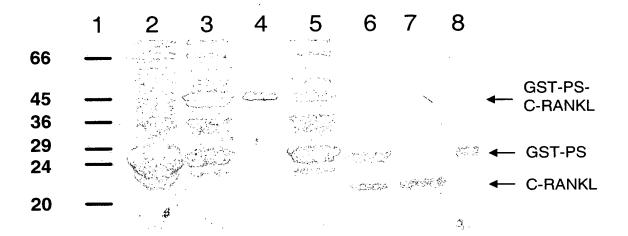
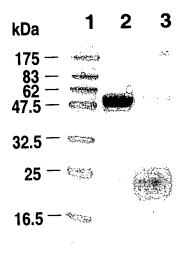


FIG. 6



6.5

Fig 7

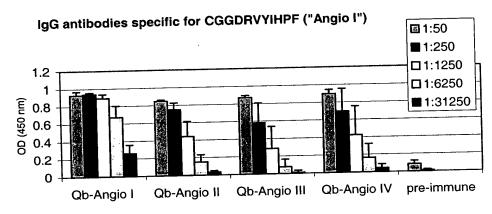


FIG. 8B

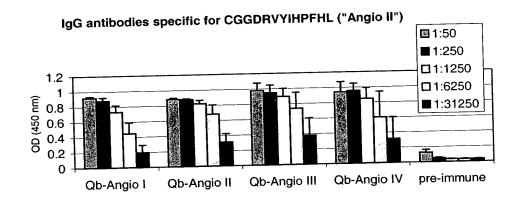


FIG. 8C

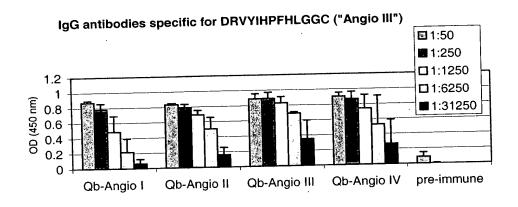
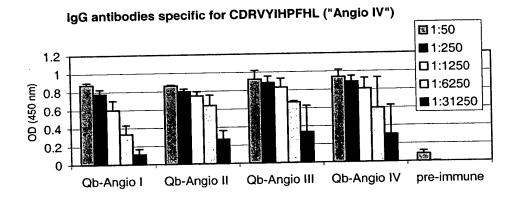


FIG. 8D



Serum IgG specific for Der p I p52 peptide

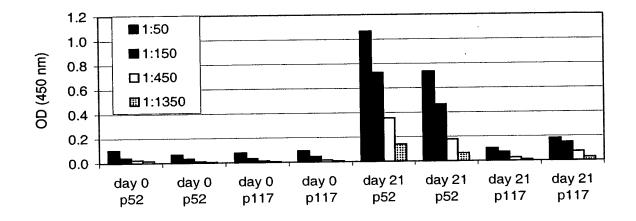
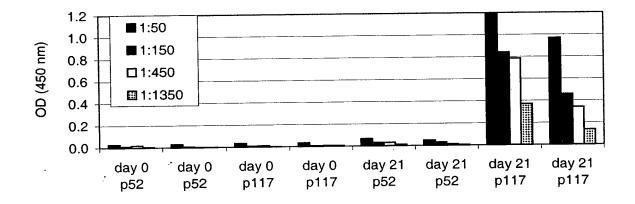


FIG. 9B

Serum IgG specific for Der p I p117 peptide



IgG antib dies specific f r human VEGFR-2 peptide

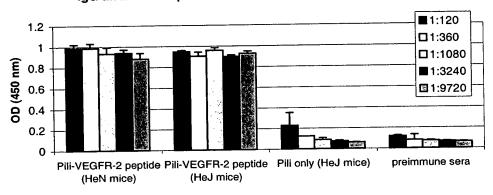


FIG. 10B

IgG antibodies specific for the extracellular domain of human VEGFR-2

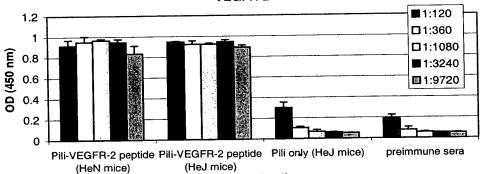
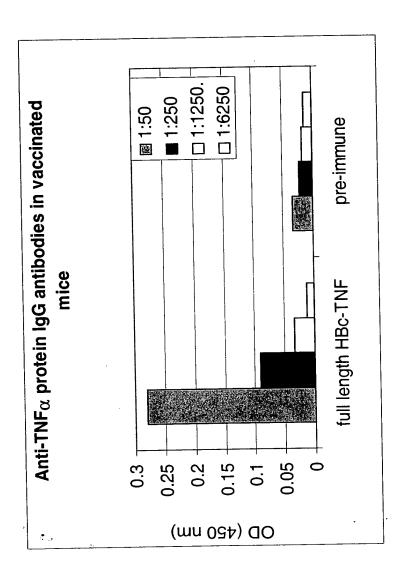


FIG. 11



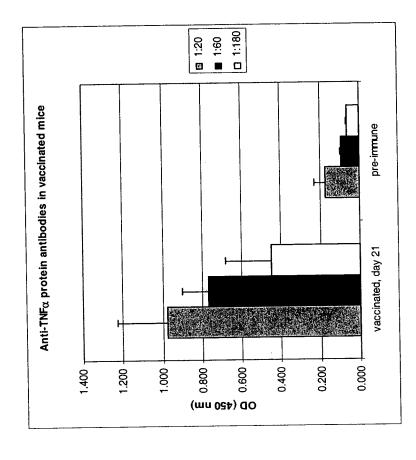
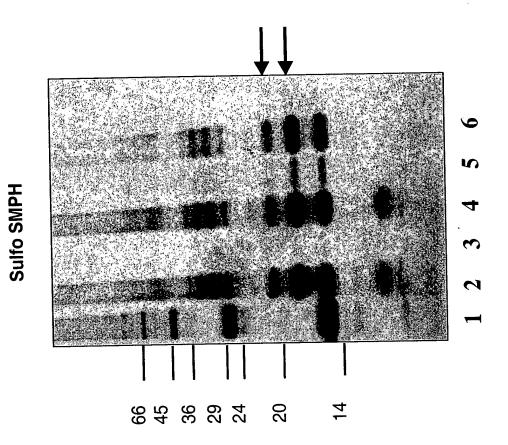


FIG. 13A



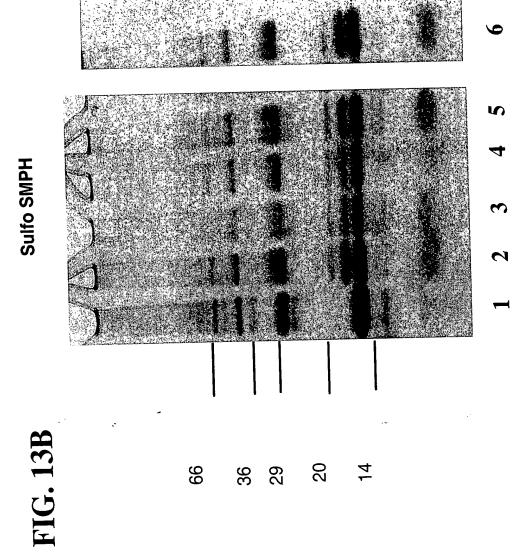


FIG. 13C

Sulfo SMPH

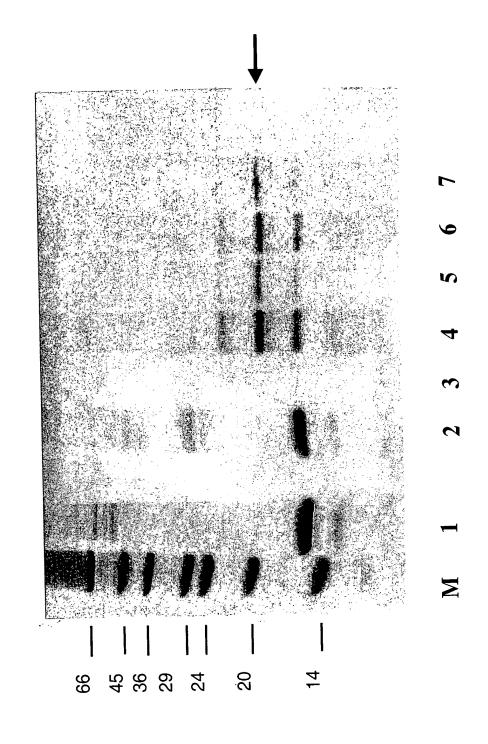


FIG. 13D

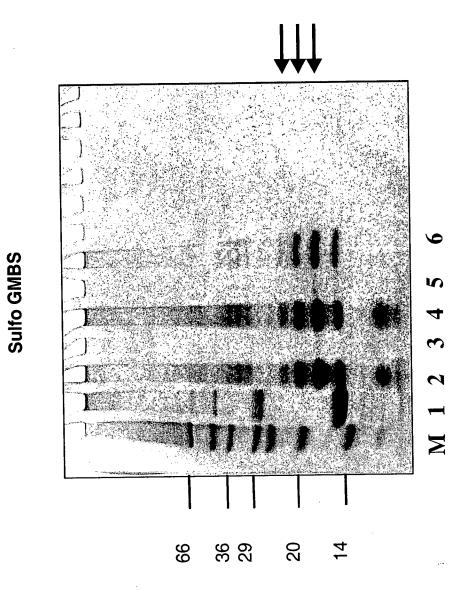


FIG. 13E

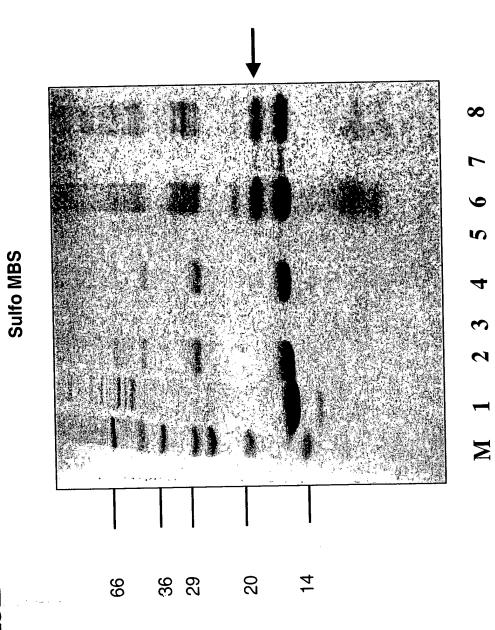
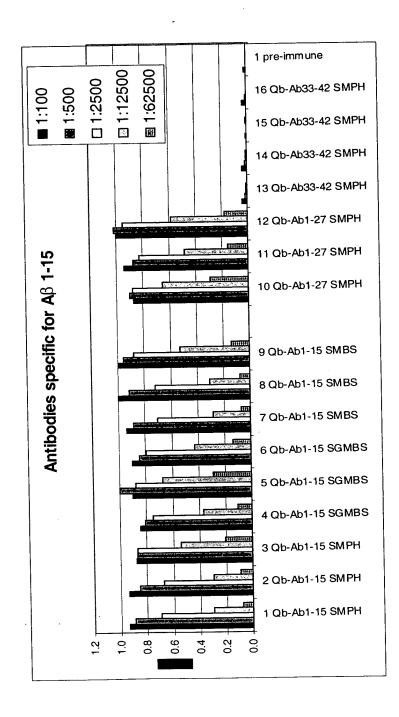


FIG. 14A



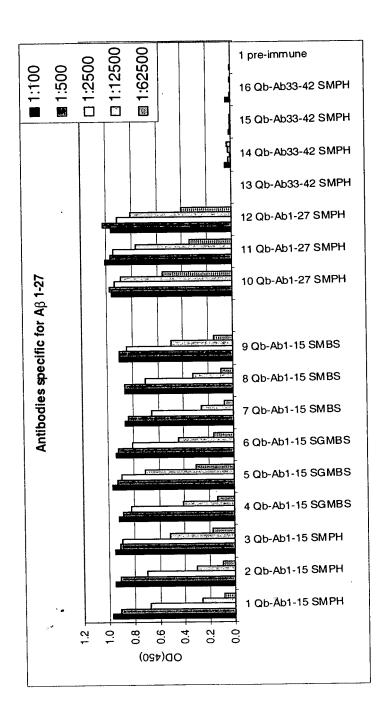


FIG. 14C

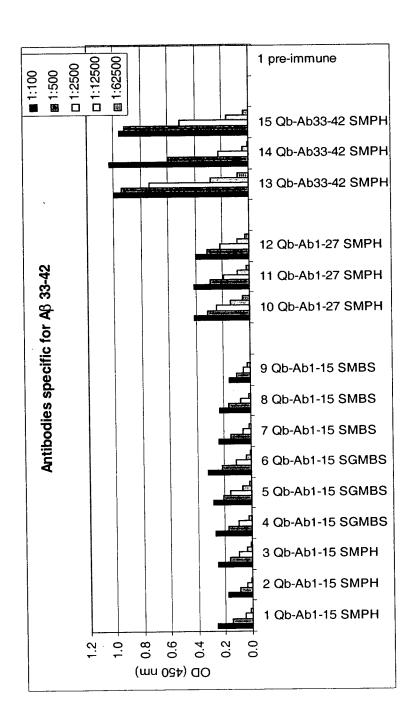


FIG. 15A

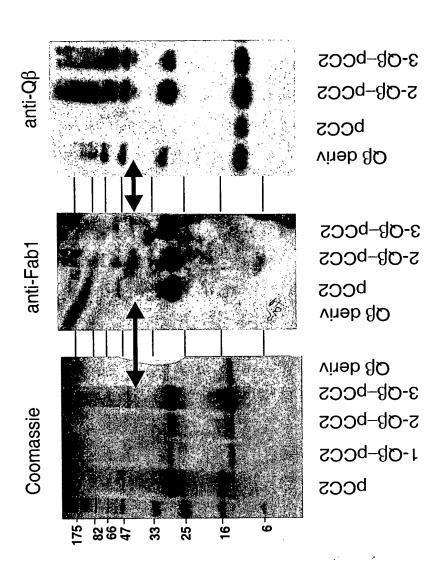


FIG. 15B

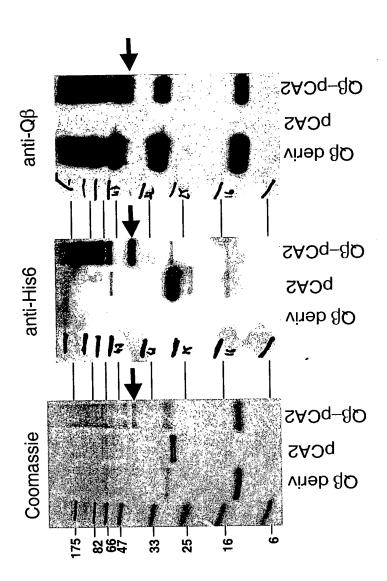
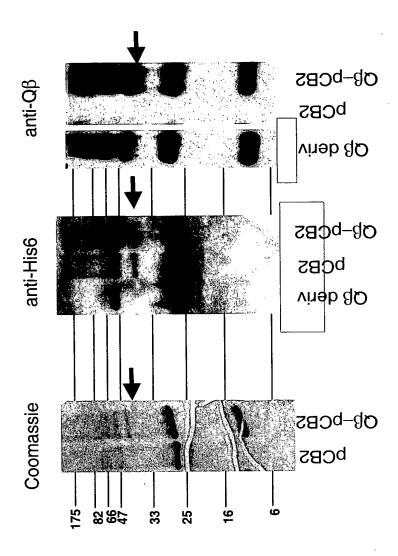


FIG. 15C





Α

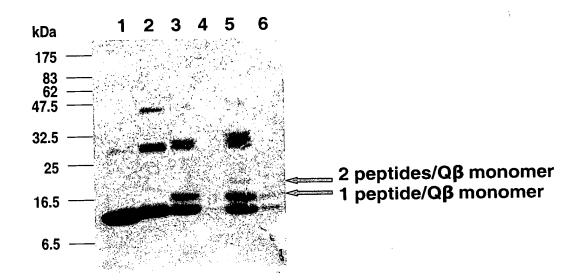


FIG. 16 A

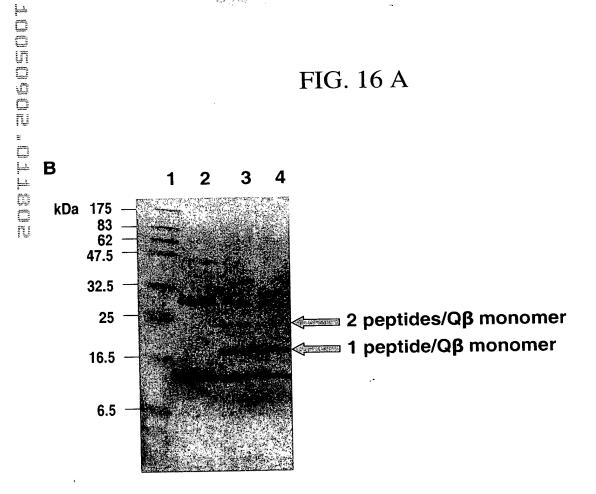


FIG. 16 B

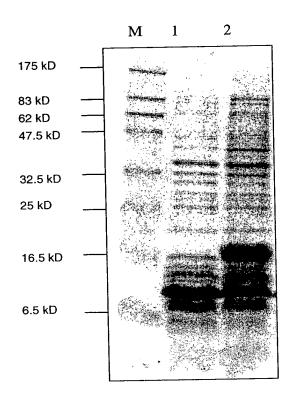


FIG. 17 A

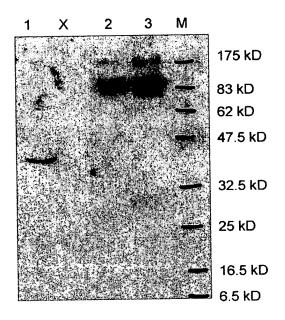


FIG. 17 B

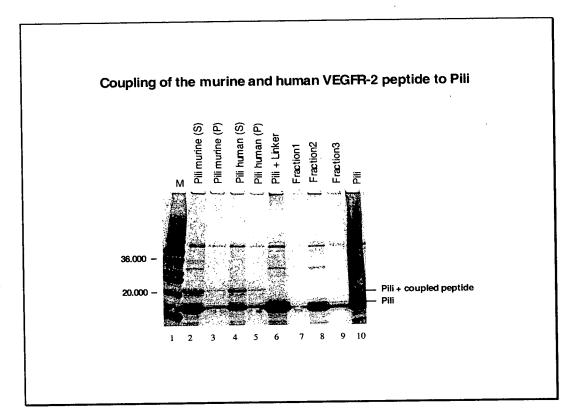


FIG. 18 A

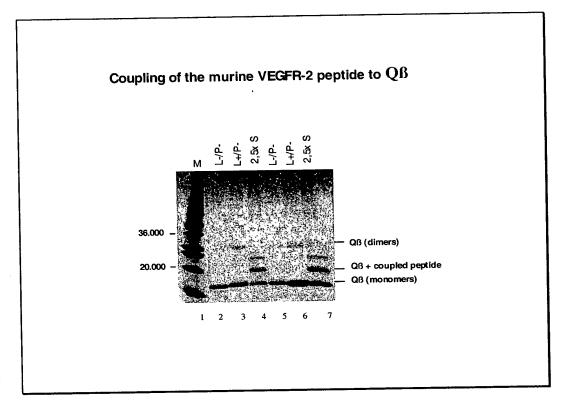


FIG. 18 B

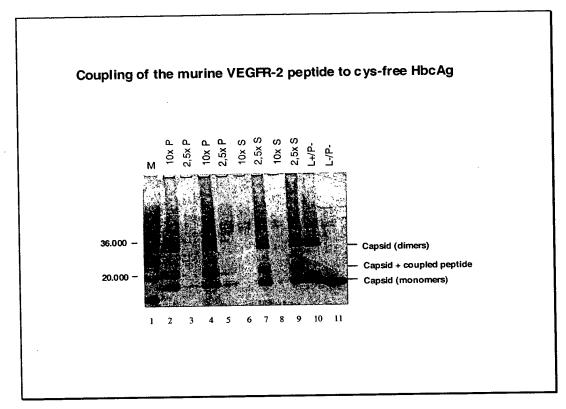


FIG. 18 C

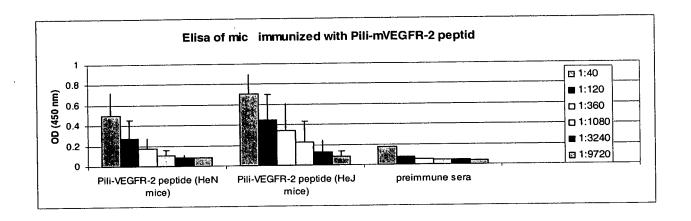


FIG. 18 D

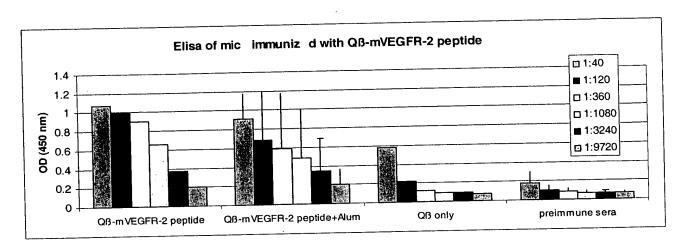


FIG. 18 E

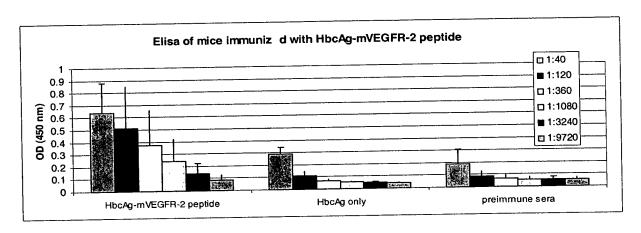


FIG. 18 F

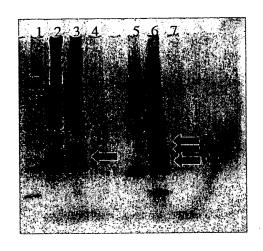


FIG. 19 A

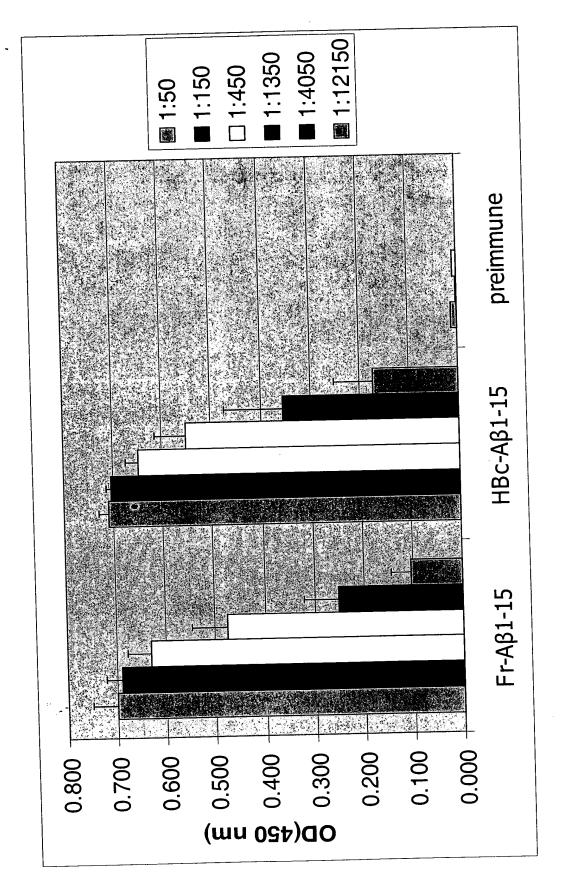


FIG. 19 B

S rum antibody titers in vaccinated APP23 mice

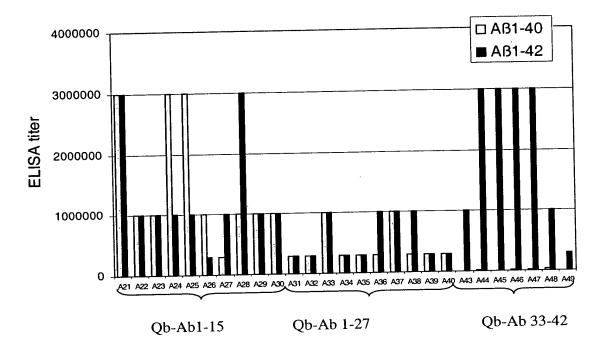


FIG. 20

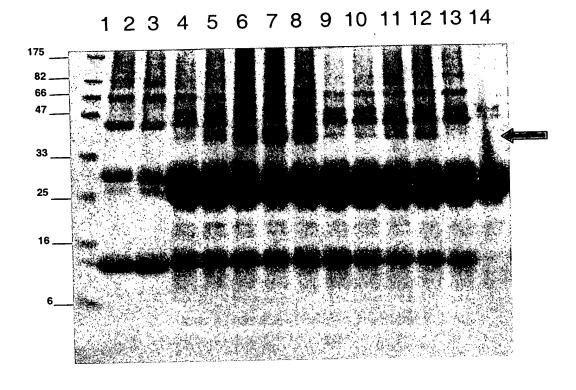


FIG. 21

Fig Qb mut S-MBS Flag

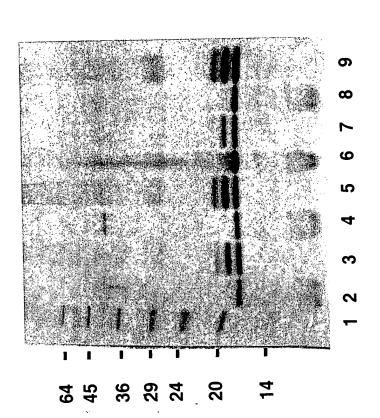


FIG. 22 A

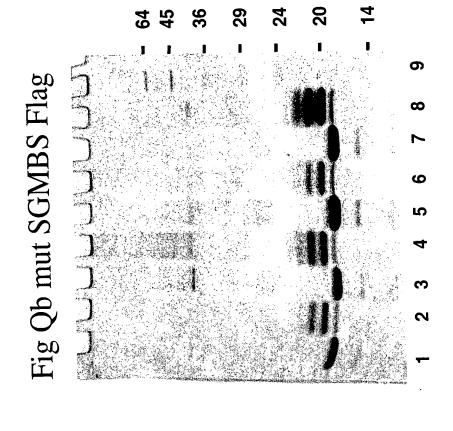


FIG. 22 B

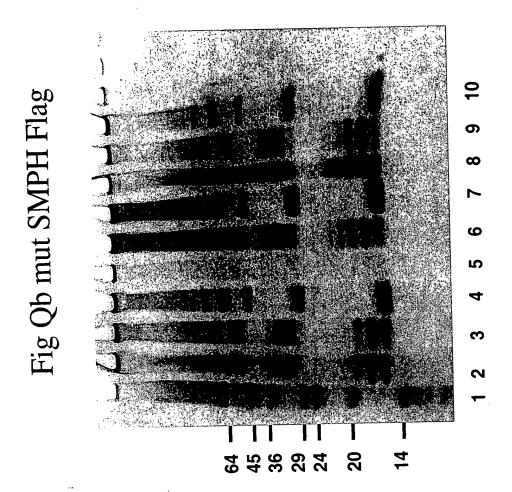


FIG. 22 C

Fig Q β mutants-PLA $_2$ -Cys

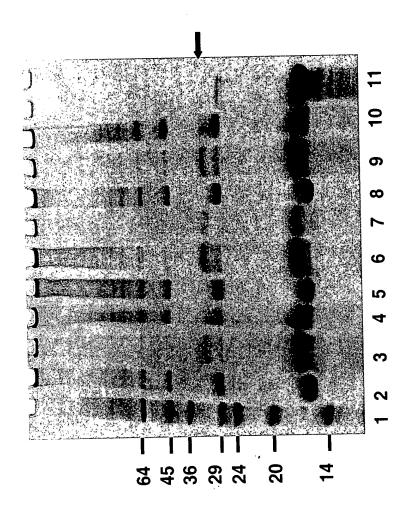


FIG. 22 D

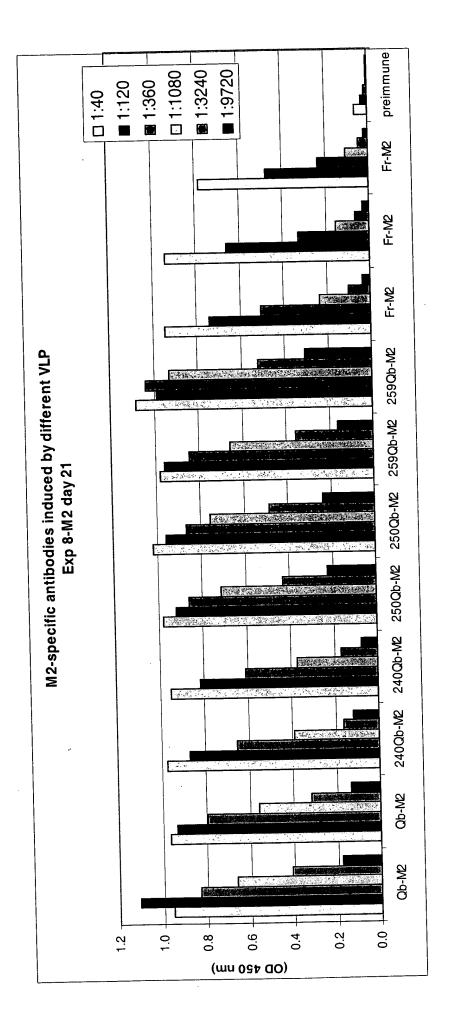
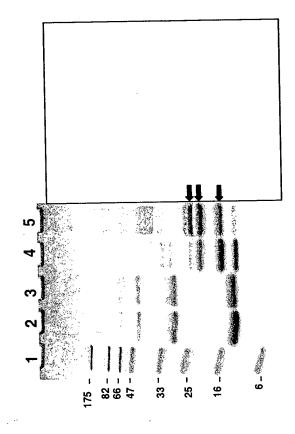


FIG. 23



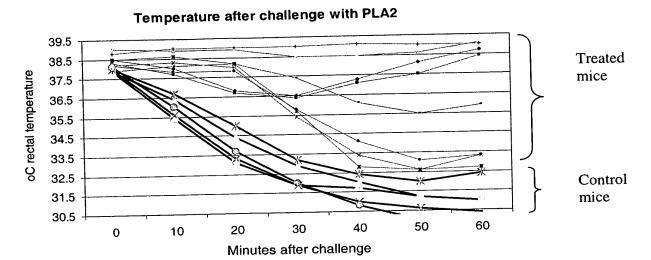


FIG. 25 A

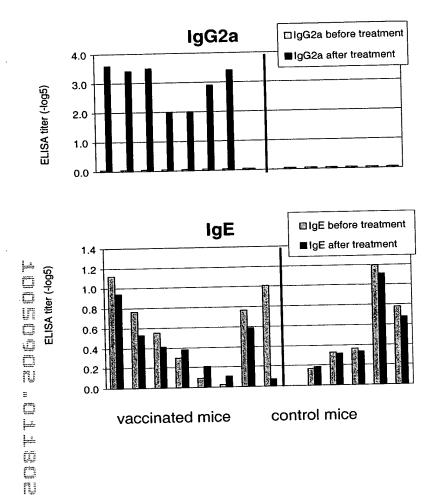


FIG. 25 B

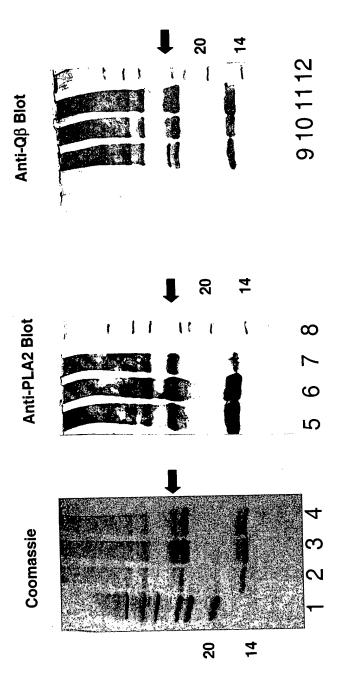


FIG. 26

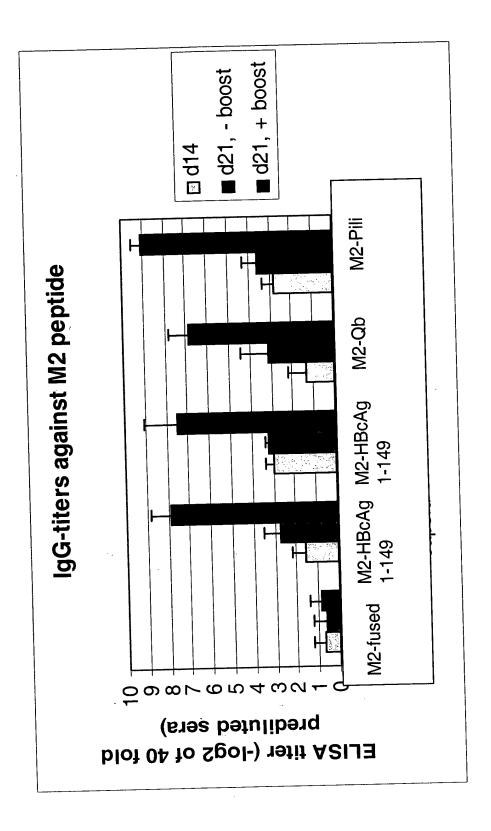
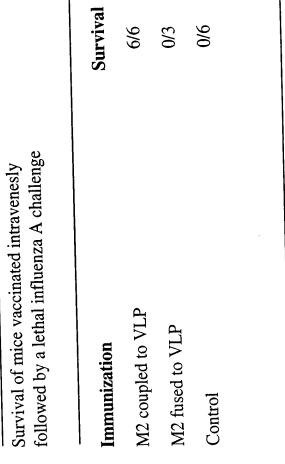


FIG. 27 A

FIG. 27 B



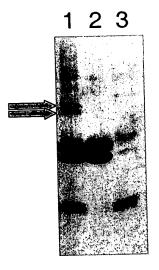


FIG. 28 A

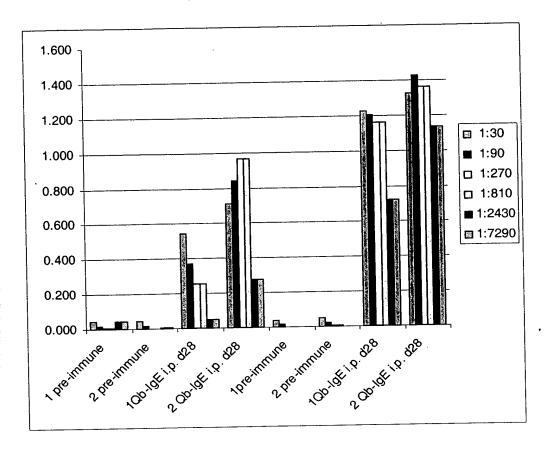


FIG. 28 B